

This safety data sheet was created pursuant to the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

E/S PLASTERBOARD ADHESIVE GUN FOAM

Supercedes date 26-Jan-2023

Revision date 08-Sep-2025 Revision Number 3.02

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name E/S PLASTERBOARD ADHESIVE GUN FOAM

Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Building and construction work

Uses advised against Professional cleaning activities with Aprotic Polar Solvents are not supported

Reason why uses advised against Use advised against in Chemical Safety Assessment per REACH Annex I point 7 2.3

1.3. Details of the supplier of the safety data sheet

Company NameManufacturerBostik LimitedBostik Egypt

Common Rd North Extension Of Industrial Zone ST16 3EH Industrial Development Group - E2

Stafford UK 6TH Of October City

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1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)

NHS: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Aerosols	Category 1 - (H222, H229)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin irritation	Category 2 - (H315)
Eye irritation	Category 2 - (H319)
Respiratory sensitisation	Category 1 - (H334)
Skin sensitisation	Category 1 - (H317)
Carcinogenicity	Category 2 - (H351)
Effects on or via lactation	Yes - (H362)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Category 3 Target organ effects: Respiratory irritation.	
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
Hazardous to the aquatic environment - chronic	Category 4 - (H413)

2.2. Label elements

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Contains Diphenylmethane-diisocyanate, isomers and homologues; Alkanes, C14-17, chloro



Signal word

Danger

Hazard statements

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H362 May cause harm to breast-fed children.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H413 May cause long lasting harmful effects to aquatic life.
- H222 Extremely flammable aerosol.
- H229 Pressurised container: May burst if heated.

Precautionary Statements - EU (§28, 1272/2008)

- P101 If medical advice is needed, have product container or label at hand
- P102 Keep out of reach of children
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- P211 Do not spray on an open flame or other ignition source
- P251 Do not pierce or burn, even after use
- P260 Do not breathe vapours/spray
- P263 Avoid contact during pregnancy and while nursing
- P271 Use only outdoors or in a well-ventilated area
- P273 Avoid release to the environment
- P280 Wear protective gloves and eye/face protection
- P302 + P352 IF ON SKIN: Wash with plenty of water and soap
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor
- P405 Store locked up
- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
- P501 Dispose of contents/ container to an approved waste disposal plant

Special provisions concerning the labelling of certain mixtures

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. As from 24 August 2023 adequate training is required before industrial or professional use.

Additional information

This product requires tactile warnings if supplied to the general public. Placed on the market in aerosol containers or in containers fitted with a sealed spray attachment.

2.3. Other hazards

In case of insufficient ventilation and/or through use, the formation of an explosive/highly flammable mixture is possible. During transportation by car the cans should stand upright in the cargo space. When foaming the propellants are highly flammable.

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The mentioned hazards are valid for the non-reacted content of the can or of the fresh foam.

PBT & vPvB

This mixture contains substances considered to be persistent, bio-accumulating and toxic (PBT). This mixture contains substances considered to be very persistent and very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight- %	REACH registration number	EC No. (Index No.)		Specific concentration limit (SCL)	M-Factor	M-Factor (long-ter m)	Notes
Diphenylmethane-dii socyanate, isomers and homologues 9016-87-9	40 - <80	[7]	618-498-9	STOT SE 3 (H335) STOT RE 2 (H373) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Carc. 2 (H351) Acute Tox. 4 (H332)	C>=5% Skin Irrit. 2 ::			
Alkanes, C14-17, chloro 85535-85-9	20 - <25	01-2119519269 -33-XXXX	287-477-0 (602-095-00-X)	Lact. (H362) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH066) [H]	-	100	10	-
Dimethyl ether 115-10-6	5 - <10	01-2119472128 -37-XXXX		Flam. Gas 1 (H220) Press. Gas (H280)	-	-	-	U
Isobutane 75-28-5	5 - <10	01-2119485395	200-857-2	Flam. Gas 1 (H220) Press. Gas (H280)	-	-	-	C,U
Butane 106-97-8		01-2119474691	203-448-7	Flam. Gas 1 (H220) Press. Gas (H280)	-	-	-	C,U

NOTE [7] - No registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH. All monomers or other substances within the polymer are registered or exempt from registration

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[H] - Substance has endocrine disrupting properties

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U - When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

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If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No. (Index No.)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	
Diphenylmethane-diiso cyanate, isomers and homologues	618-498-9	9016-87-9	-	-	1.5	-	-
Alkanes, C14-17, chloro	287-477-0 (602-095-00-X)	85535-85-9	-	-	-	-	-
Dimethyl ether	204-065-8 (603-019-00-8)	115-10-6	-	-	-	-	-
Isobutane	200-857-2 (601-004-00-0)	75-28-5	-	-	-	-	-
Butane	203-448-7 (601-004-00-0)	106-97-8	-	-	-	-	-

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No.	SVHC candidates
Alkanes, C14-17, chloro	85535-85-9	X

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get

medical advice/attention.

Inhalation Remove to fresh air. May cause allergic respiratory reaction. If breathing has stopped,

give artificial respiration. Get medical attention immediately. Avoid direct contact with

skin. Use barrier to give mouth-to-mouth resuscitation.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

Skin contact May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see

a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes. Do

not use solvents or thinners to dissolve the material.

Ingestion May produce an allergic reaction. Do NOT induce vomiting. Rinse mouth. Never give

anything by mouth to an unconscious person. Get immediate medical attention.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the

material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as

required. See section 8 for more information. Avoid breathing vapours or mists.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/

or wheezing. Itching. Rashes. Hives. May cause redness and tearing of the eyes.

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Burning sensation. Difficulty in breathing.

Effects of Exposure May cause damage to organs through prolonged or repeated exposure. Suspected of

causing cancer.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctorsMay cause sensitisation in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media Full water jet. DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE

STOPPED.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated. Product is or contains a sensitiser. May cause sensitisation by inhalation. May cause sensitisation by skin contact.

Hazardous combustion products

Carbon oxides. Carbon monoxide. Carbon dioxide (CO2). Hydrogen chloride. Nitrogen oxides (NOx). Hydrogen cyanide. Isocyanates.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See

section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take

precautionary measures against static discharges. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid breathing vapours or mists.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or

spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. A vapour suppressing foam may be used to reduce

vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Flood with water to complete polymerization and scrape off floor.

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Methods for cleaning up

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Use clean non-sparking tools to collect absorbed material.

Prevention of secondary hazards

Residues which cannot be recycled are disposed of as chemical waste. Equipment cleaned with organic solvent, washings are collected and disposed of as solvent waste. Eliminate all ignition sources if safe to do so.

6.4. Reference to other sections

Reference to other sections

See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use spark-proof tools and explosion-proof equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Keep in an area equipped with sprinklers. Do not puncture or incinerate cans. Contents under pressure. In case of rupture. Avoid breathing vapours or mists. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and shoes.

General hygiene considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Store locked up. Keep out of the reach of children. Keep/store only in original container. Store in a dry place. Store in a closed container. Protect from moisture.

Recommended storage temperature

Do not freeze.

7.3. Specific end use(s)

Specific use(s)

Building and construction work.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure Limits

Chemical name	European Union	United Kingdom
Diphenylmethane-diisocyanate, isomers and	TWA: 6 μg/m³;	TWA: 0.02 mg/m ³ ;
homologues	TWA: 10 μg/m³;	STEL: 0.07 mg/m ³ ;
9016-87-9		poS
Dimethyl ether	TWA: 1000 ppm;	TWA: 400 ppm;
115-10-6	TWA: 1920 mg/m ³ ;	TWA: 766 mg/m ³ ;
		STEL: 500 ppm;
		STEL: 958 mg/m ³ ;
4,4-Methylenediphenyl diisocyanate	TWA: 10 μg NCO / m³ (2.9 ppb)	TWA: 0.02 mg/m ³ ;
101-68-8	STEL: 20 µg NCO / m³ (5.8 ppb)	STEL: 0.07 mg/m ³ ;
	Sk* +	poS
Butane	-	TWA: 600 ppm;
106-97-8		TWA: 1450 mg/m ³ ;
		STEL: 750 ppm;
		STEL: 1810 mg/m ³ ;
1,2,3-Propanetriol	-	TWA: 10 mg/m ³ ; mist
56-81-5		STEL: 30 mg/m³; mist

Chemical name	European Union	Ireland	United Kingdom
Diphenylmethane-diisocyanate,	-	1 µmol/mol Creatinine (urine -	-
isomers and homologues		urinary Diamine post task)	
9016-87-9			
4,4-Methylenediphenyl	-	1 µmol/mol Creatinine (urine -	-
diisocyanate		urinary Diamine post task)	
101-68-8			

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNE	Derived No Effect Level (DNEL)				
Alkanes, C14-17, chloro (8553	35-85-9)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Long term Systemic health effects	Inhalation	6.7 mg/m³			
worker Systemic health effects Long term	Dermal	47.9 mg/kg bw/d			

Dimethyl ether (115-10-6)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker	Inhalation	1894 mg/m³	
Long term			
Systemic health effects			

Derived No Effect Level (DN	Derived No Effect Level (DNEL)				
Alkanes, C14-17, chloro (855	535-85-9)				
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Consumer Long term Systemic health effects	Inhalation	2 mg/m³			
Consumer Long term Systemic health effects	Dermal	28.75 mg/kg bw/d			
Consumer Long term Systemic health effects	Oral	0.58 mg/kg bw/d			

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Dimethyl ether (115-10-6)			
Type	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
Consumer	Inhalation	471 mg/m³	
Long term		-	
Systemic health effects			

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
Alkanes, C14-17, chloro (85535-85-9)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	1 μg/l
Marine water	0.2 μg/l
Microorganisms in sewage treatment	80 mg/l
Freshwater sediment	13 mg/kg dry weight
Marine sediment	2.6 mg/kg dry weight
Soil	11.9 mg/kg dry weight

Dimethyl ether (115-10-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.155 mg/l
Marine water	0.016 mg/l
Microorganisms in sewage treatment	160 mg/l
Freshwater sediment	0.681 mg/kg dry weight
Soil	0.45 mg/kg dry weight

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be

exhausted directly at the point of origin.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye protection must conform to

standard EN 166.

Hand protection Wear suitable gloves. Glove thickness > 0.7mm. Butyl rubber. Nitrile rubber. The

breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform

to standard EN 374

Skin and body protectionWear appropriate personal protective clothing to prevent skin contact.

Respiratory protection Ensure adequate respiratory protection during spray applications. In case of insufficient

ventilation, wear suitable respiratory equipment.

Recommended filter type: Organic gases and vapours filter conforming to EN 14387. Wear a respirator conforming

to EN 140 with Type A filter or better.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Aerosol Foam
Colour Yellow

Odour Characteristic. Slight.

PropertyValuesRemarks • MethodMelting point / freezing pointNot applicable . °CNo data availableInitial boiling point and boilingNo data availableNot applicable, Aerosol

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range

Flammability No data available Not applicable for liquids None known

Flammability Limit in Air

Upper flammability or explosive 18.6 Vol%

limits

Lower flammability or explosive 1.7 Vol%

limits

Flash point No data available Not applicable, Aerosol

No data available **Autoignition temperature** . °C

No data available

No data available No data available. pH (as aqueous solution) No data available None known Kinematic viscosity No data available No data available

Dynamic viscosity No data available No data available Reacts with water.

Water solubility Reacts with water Polymerisation can occur Solubility(ies) No data available None known

Partition coefficient No data available No data available bar @ 23 °C Vapour pressure 6 - 7

Relative density No data available None known **Bulk density** No data available

0.9818 g/cm³ **Density**

Relative vapour density No data available None known

Particle characteristics

Decomposition temperature

Particle Size No information available **Particle Size Distribution** No information available

9.2. Other information

Solid content (%) No information available

VOC content No data available

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

Minimum Ignition Temperature 235 Not applicable .

(°C)

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available. Reactivity

10.2. Chemical stability

Stable under normal conditions. **Stability**

Explosion data

None. Sensitivity to mechanical

impact

Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

Conditions to avoid Product cures with moisture. Heat, flames and sparks. Excessive heat. Protect from

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moisture. Keep away from open flames, hot surfaces and sources of ignition. Extremes

of temperature and direct sunlight.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents. Water. Alcohols. Amines.

Incompatible with oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

products

None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Intentional misuse by deliberately concentrating and inhaling contents may be harmful or

> fatal. Specific test data for the substance or mixture is not available. May cause sensitisation in susceptible persons. (based on components). May cause irritation of

respiratory tract. Harmful by inhalation.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye

irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Repeated or prolonged

skin contact may cause allergic reactions with susceptible persons. (based on components). May cause sensitisation by skin contact. Causes skin irritation.

Ingestion Specific test data for the substance or mixture is not available. May cause additional

effects as listed under "Inhalation". Ingestion may cause gastrointestinal irritation,

nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, **Symptoms**

tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. Itching. Rashes. Hives. Redness. May cause

redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

>2000 mg/kg ATEmix (oral) ATEmix (dermal) >2000 mg/kg ATEmix (inhalation-gas) >20000 ppm ATEmix (inhalation-dust/mist) 2.92 mg/L ATEmix (inhalation-vapour) >20 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Diphenylmethane-diisocyanate,	LD50 > 10000 mg/kg (Rattus)	LD 50 > 9400 mg/kg	1.5 mg/L (Rattus) 4 h
isomers and homologues		(Oryctolagus cuniculus)	

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Alkanes, C14-17, chloro	>4000 mg/kg (Rattus)	> 2000 mg/kg (Rattus)	-
Dimethyl ether	-	-	=164000 ppm (Rattus) 4 h
Isobutane	-	-	=658 mg/L (Rattus) 4 h
Butane	-	-	=658 g/m³ (Rattus) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Diphenylmethane-diisocyanate, isomers and homologues (9016-87-9)					
Method Species Exposure route Effective dose Exposure time Resu					Results
OECD Test No. 404:	Rabbit				Mild skin irritant
Acute Dermal					
Irritation/Corrosion					

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an

allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients. Suspected of causing cancer.

Component Information			
Diphenylmethane-diisocyanate, isomers and homologues (9016-87-9)			
Method	Species	Results	
OECD Test No. 453: Combined Chronic	Rat	Carcinogenic	
Toxicity/Carcinogenicity Studies		-	

Reproductive toxicityContains a known or suspected reproductive toxin. Classification based on data available for ingredients. May cause harm to breast-fed children.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins

The table below indicates ingrediente above the eat on threehold considered as relevant which are neted as repredaente		
Chemical name	European Union	
Alkanes, C14-17, chloro	Lact.	

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

H373 - May cause damage to the following organs through prolonged or repeated exposure: Lungs, Inhalation.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

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11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

May cause long lasting harmful effects to aquatic life. Cured foam has no C14-C17 chloroalkanes leaching in water for a maximum 20% C14-C17 chloroalkanes in mixture. Study: "Pulverized PU Foam HM23. Leaching study, Limit test" by Dr. Christine Jahns and sponsored by FEICA AISBL, 09.12.2014.

Product Information					
Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Daphnia magna	EC50	1000 mg/L	48 hours	Harmless to aquatic organisms up to the tested concentration

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
	plants		microorganisms			(long-term)
Diphenylmethane-diiso	ErC50 (72h)	CL50 (96h)	-	EC50 (24H)		
cyanate, isomers and	>1640 mg/L	>1000 mg/L		>1000 mg/L		
homologues	Algae	Danio rerio		Daphnia magna		
9016-87-9	(scenedesmus					
	subspicatus)					
	(OECD 201)					
Alkanes, C14-17, chloro	-	LC50: >500mg/L	-	EC50 (48h) =	100	10
85535-85-9		(48h, Leuciscus		0.007 mg/l		
		idus)		(Daphnia		
				magna) OECD		
				202		
Dimethyl ether	-	LC50: >4.1g/L	-	> 4400 mg/L		
115-10-6		(96h, Poecilia		(Daphnia) (NEN		
		reticulata)		6501)		

12.2. Persistence and degradability

Persistence and degradability No information available.

Diphenylmethane-diisocyanate, isomers and homologues (9016-87-9)					
Method Exposure time Value Results					
OECD Test No. 302C: Inherent	28 days	0% biodegradation	Not readily biodegradable		
Biodegradability: Modified MITI Test	-	_			
(II)					

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Somponent information				
Chemical name	Partition coefficient			
Alkanes, C14-17, chloro	7			
Dimethyl ether	-0.18			
Isobutane	2.8			
Butane	2.31			

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12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product contains substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment	
Alkanes, C14-17, chloro	PBT & vPvB	
Dimethyl ether	Not PBT/vPvB	
Isobutane	Not PBT/vPvB	
Butane	Not PBT/vPvB	

12.6. Endocrine disrupting properties Endocrine disrupting properties

Endocrine disruption for the

environment

Based on available data, the classification criteria are not met.

12.7. Other adverse effects Other adverse effects

Other adverse effects No information available.

PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused

products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or

weld containers. Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 08 05 01* waste isocyanates

16 05 04* gases in pressure containers (including halons) containing dangerous

substances

17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

SECTION 14: Transport information

Note: Keep from freezing.

Land transport (ADR/RID)

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
Labels
UN1950
Aerosols
2
2.1

14.4 Packing group Not regulated

Description UN1950, Aerosols, 2, (D)

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

Special Provisions 190, 327, 344, 625

Classification code 5F

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Tunnel restriction code (D)
Limited quantity (LQ) 1 L

IMDG

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
UN 1950
Aerosols
2.1

14.4 Packing group Not regulated

Description UN1950, Aerosols, 2.1

14.5 Marine pollutant NP

14.6 Special precautions for user

Special Provisions 63,190, 277, 327, 344, 381, 959

Limited Quantity (LQ) See SP277 EmS-No. F-D, S-U

14.7 Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number UN1950

14.2 UN proper shipping name Aerosols, flammable

14.3 Transport hazard class(es) 2.1

14.4 Packing group Not regulated

Description UN1950, Aerosols, flammable, 2.1

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

Special Provisions A145, A167, A802

Limited quantity (LQ) 30 kg G ERG Code 10L

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59) >=0.1%

Chemical name	CAS No.
Alkanes, C14-17, chloro	85535-85-9

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No.	Restricted substance per REACH
		Annex XVII
Diphenylmethane-diisocyanate, isomers and homologues	9016-87-9	56 74.
Diisocyantes		74

56 . If product supplied to the general public with substance ≥0.1%, then gloves must be provided with the product. **74** If product supplied to the industrial or professional users with total monomeric diisocyanates ≥ 0.1%, then its packaging must mention "As from 24 August 2023 adequate training is required before industrial or professional use".

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Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Export Notification requirements

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

Dangerous substance category per Seveso Directive (2012/18/EU)

P3a - FLAMMABLE AEROSOLS

Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable

Persistent Organic Pollutants

Not applicable

REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

Not applicable

Regulations on drug precursors (EC) No 111/2005 (export) and 273/2004 (internal trade)

This product does not contain any substance(s) on the Drug Precursors list.

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

EUH066 - Repeated exposure may cause skin dryness or cracking

H220 - Extremely flammable gas

H280 - Contains gas under pressure; may explode if heated

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

H351 - Suspected of causing cancer

H362 - May cause harm to breast-fed children

H373 - May cause damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Notes relating to the identification, classification and labelling of substances

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers. Note U - When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas,

liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is

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packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1. Note 2)

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value Sk* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

ADR European Agreement concerning the International Carriage of Dangerous Goods by

Road

IMDG International Maritime Dangerous Goods (IMDG)
IATA International Air Transport Association (IATA)

RID Regulations concerning the International Transport of Dangerous Goods by Rail

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 08-Sep-2025

Indication of changes

Revision Note Not applicable.

Training Advice AS FROM 24 AUGUST 2023 ADEQUATE TRAINING IS REQUIRED BEFORE

INDUSTRIAL OR PROFESSIONAL USE For further information, please contact:

https://www.safeusediisocyanates.eu/

Further information No information available

This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

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